

CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

S-E-C-R-E-T

COUNTRY **East Germany**
SUBJECT **Development of Visual Indicators
for Weak Currents**

REPORT

25X1

DATE DISTR. **31 March 1955**NO. OF PAGES **1**REQUIREMENT NO. **RD**

25X1

REFERENCES

DATE OF INFO. PLACE ACQUIRED DATE ACQUIRED This is UNEVALUATED Information

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

1. The Central Laboratory for Telecommunications Technology (Zentral-Laboratorium fuer Fernmeldetechnik - ZLF), in Berlin-Treptow, is engaged in the development of a visual indicator (Schauszeichen) for very weak currents, as used in telecommunications technology. The Ministry for Machine Construction has emphasized the importance of this development and urged the ZLF to complete it quickly because the East German telecommunications industry so far has not succeeded in developing a suitable indicator for the purpose mentioned. Delivery of a large stock of completed telecommunications equipment is dependent upon the quick completion of the ZLF development.
2. The indicator under development at ZLF consists of a circular disk of 18 mm diameter, which is rotated by a revolving coil located in a magnetic field. The coil is attached to a rod which is seated in stone bearings. Devices of the same kind in which metal bearings were used have proved to be unsuitable because of the great friction between the axis and the metal bearing. The quick completion of the development is dependent upon the delivery of synthetic precious stones to be used as bearings, which the Ministry for Machine Construction has promised to expedite.
3. As of early January 1955, the completion of telecommunications equipment in the value of several million DEM was held up by the lack of visual indicators.

25X1

25X1

S-E-C-R-E-T

STATE	X	ARMY	X	NAVY	X	AIR	X	FBI	AEC	OSI	EW	X
-------	---	------	---	------	---	-----	---	-----	-----	-----	----	---

25X1

(Distribution Indicated by "X"; Field distribution by "#")